

CLAIMS

- 1 1. A method for determining a domain of definition (DOD) in a warped
2 image, the warped image formed from an original image, each pixel of the warped
3 image having a displacement from a corresponding pixel in the original image, the
4 original image restricted by a border, the method comprising:
5 for each of a plurality of directions:
6 determining a maximum displacement in the direction by a pixel
7 in the warped image;
8 determining a new DOD for the warped image, the new DOD for the warped
9 image corresponding to a DOD in the original image and displaced in
10 each of the plurality of directions by the determined maximum
11 displacement.
- 1 2. The method of claim 1 wherein the plurality of directions include up,
2 down, left and right.
- 1 3. A method for determining a domain of definition (DOD) in a warped
2 image, the warped image formed from an original image, each pixel of the warped
3 image having a displacement from a corresponding pixel in the original image, the
4 original image unrestricted by a border, the method comprising:
5 determining an original DOD associated with the original image;
6 for each pixel located along the original DOD, determining a location of a
7 corresponding pixel in the warped image;
8 determining a displacement of the pixel in the warped image from its
9 corresponding pixel in the original image;

10 for each of a plurality of directions, determining a maximal displacement
11 value of a pixel in that direction;
12 determining a new DOD for the warped image, the new DOD for the warped
13 image corresponding to a DOD in the original image and displaced in
14 each of the plurality of directions by the determined maximal
15 displacement value.

1 4. The method of claim 3 wherein the plurality of directions include up,
2 down, left and right.